USER MANUAL

HERO3+

BLACK EDITION

GoPro

Be a HERO.

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WEAR IT. MOUNT IT. LOVE IT.

FEATURED ACCESSORIES



LCD Touch BacPac™



Battery BacPac™



Wi-Fi Remote



The Frame



Wrist Housing



Standard Housing



Rechargeable Battery



Dual Battery Charger

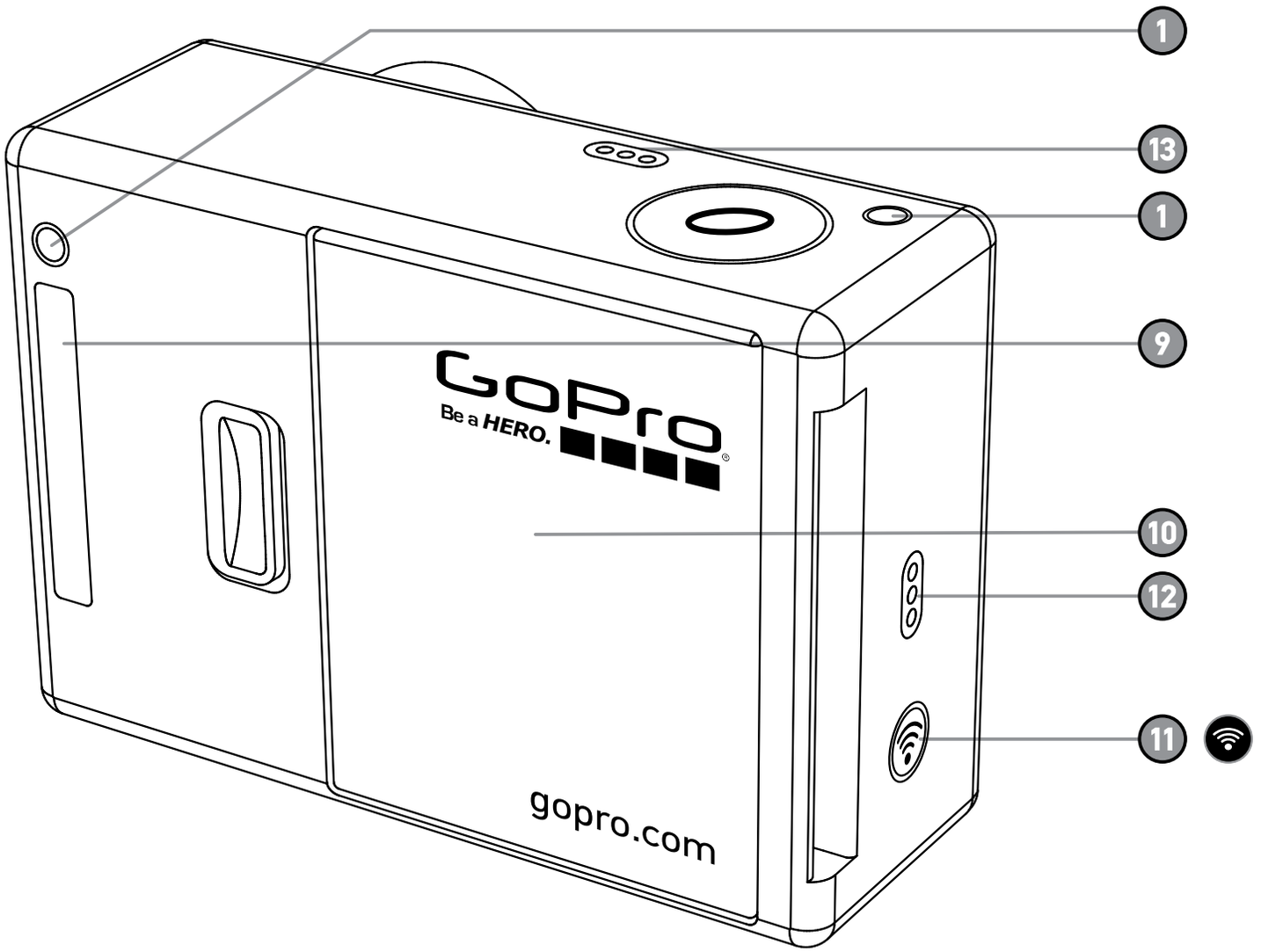


Protective Lens + Covers

More HERO3+ accessories available at **gopro.com**

MOUNTS + ACCESSORIES

 Helmet Front Mount	Chesty	Handlebar/Seatpost/ Pole Mount	Surfboard Mounts
Floaty Backdoor	Head Strap + QuickClip	Suction Cup	Vented Helmet Strap
Roll Bar Mount	Tripod Mounts	Anti-Fog Inserts	Jaws: Flex Clamp
Curved + Flat Adhesive Mounts	Side Mount	Camera Tethers	Auto Charger



9. HERO Port

10. Battery Door

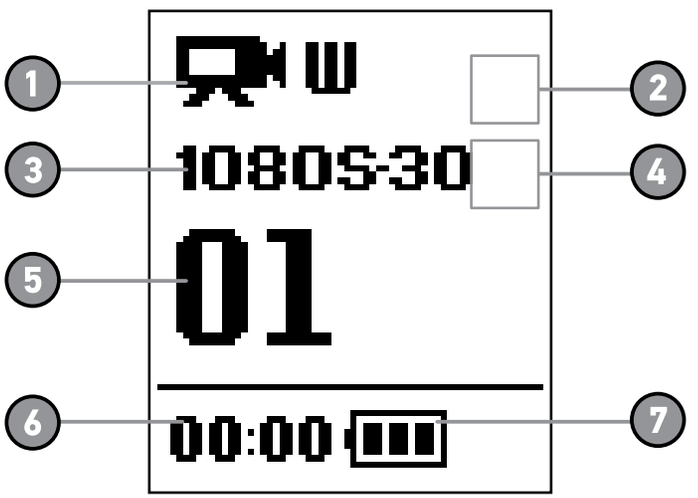
11. Wi-Fi On/Off Button

12. Audio Alert

13. Microphone

CAMERA LCD STATUS SCREEN

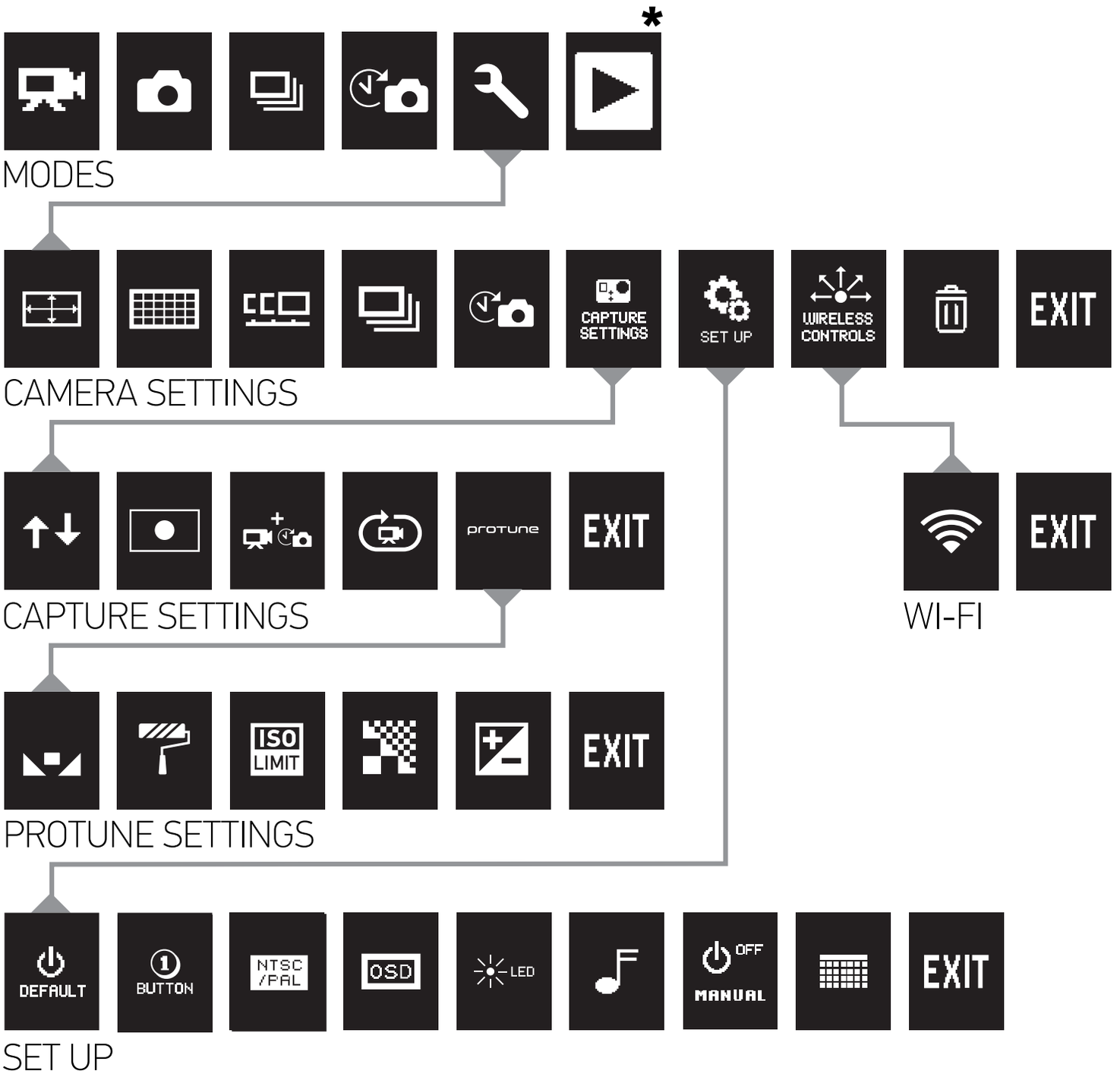
The LCD screen displays the following information about HERO3+ modes and settings:



1. **Camera Modes/FOV (Field of View)**
2. **Capture Setting Modes** (not shown)
3. **Resolution/fps (Frames Per Second)**
4. **Time Interval Settings:** (not shown)
5. **Counter**
6. **Time/Storage/Files**
7. **Battery Life**

NOTE: *The icons displayed above will vary depending on what mode your camera is in.*

CAMERA MENU FLOW CHART



***Playback** only appears if camera is connected to a TV or LCD Touch BacPac™ (sold separately).*

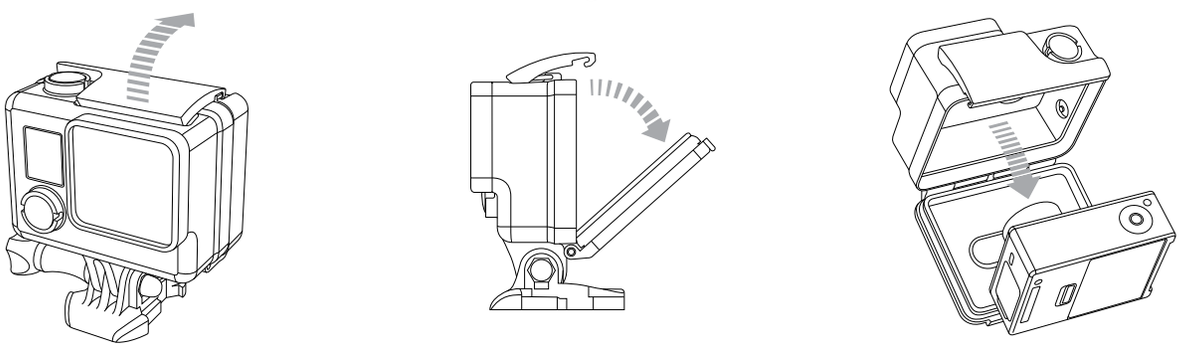
CAMERA SOFTWARE UPDATES

To get the latest features and best performance from your HERO3+ camera, make sure you're using the most current camera software. To check if software updates are available, visit: **gopro.com/update**.

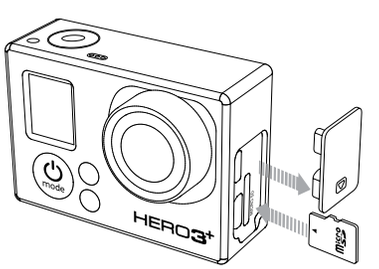
USING YOUR HERO3+: BASICS

GETTING STARTED

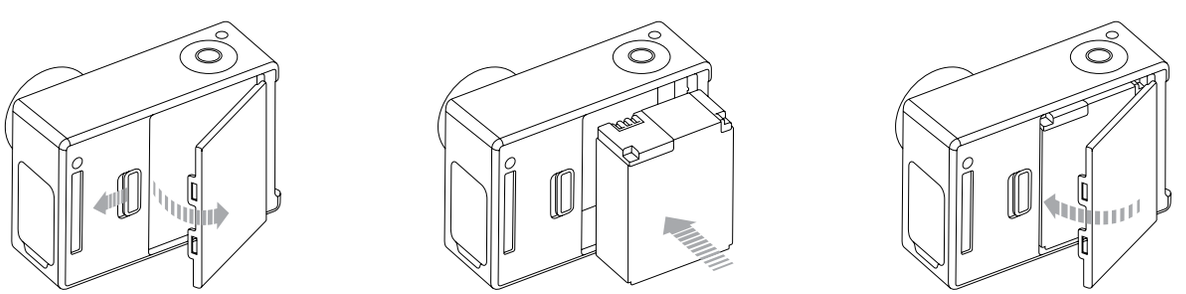
1. **Remove camera from housing.**



2. **Remove camera side door and insert a microSD, microSDHC™ or microSDXC™ card into the card slot.** A microSD card with a Class 10 speed rating is required.



3. **Open camera back door, insert battery, close camera back door.**



4. **Charge the battery.** The included lithium-ion battery comes partially charged. To charge, connect the included USB cable to camera and connect the other end of the cable to a power source such as a computer, Wall Charger or Auto Charger. No damage will occur to the camera or battery if used prior to a full charge.

PRO TIP:	**When camera is OFF and charging:** • Red **Camera Status Light** will turn **ON** when camera is charging. • Red **Camera Status Light** will turn **OFF** when charging is complete.

▸See **BATTERY LIFE** for more information.
▸See **PROTUNE** for more information.

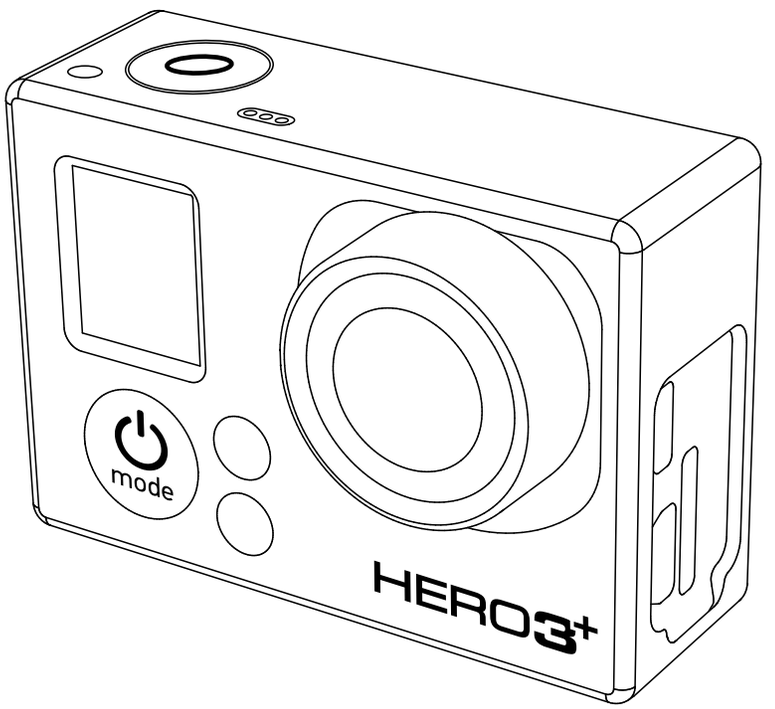
CAMERA DEFAULT SETTINGS

The HERO3+ Black Edition camera powers up with the following default settings:

	**Video**	1080p SuperView **30fps**, Auto Low Light **ON**
	**Photo**	12MP, Ultra Wide FOV
	**Burst Photo**	30 photos in 1 second
	**Time Lapse**	0.5 seconds
	**Wi-Fi**	**OFF**

PRO TIP:	Want to change your **VIDEO** and **PHOTO** settings? ▸See **SETTINGS** menu to make changes.

POWERING ON AND OFF



To power ON:
Press the **Power/Mode Button** (mode). The red **Camera Status Lights** flash three times and the **Sound Indicator** emits three beeps.

To power OFF:
Press and hold the **Power/Mode Button** (mode). The red **Camera Status Lights** flash several times and the **Sound Indicator** emits seven beeps.

PRO TIP:	Want to turn your HERO3+ into a "one-button" camera that automatically starts recording **PHOTOS** or **VIDEOS** once it turns **ON**? Set the camera to **ONE BUTTON** mode. ▸See **ONE BUTTON** mode for more information.

OVERVIEW

The HERO3+ features several camera modes. To cycle through the modes, press the **Power/Mode Button** 

. The modes will appear in the following order:

	**VIDEO**	Record **Video**
	**PHOTO**	Capture a single **Photo**
	**BURST PHOTO**	Capture up to 30 **Photos** in one second
	**TIME LAPSE**	Capture a series of **Photos** at timed intervals
	**SETTINGS**	Adjust camera **Settings**
	**PLAYBACK**	Playback **Video** and **Photos**. Appears only if camera is connected to a TV or LCD Touch BacPac™ (optional accessory, sold separately).

PRO TIP:	Use **BURST PHOTO** to capture fast-moving subjects.

▸See **PLAYBACK** for more information.

VIDEO

To record **Video**, verify the camera is in **Video** mode. If the **Video** icon on your camera's LCD screen is not showing, press the **Power/Mode Button** repeatedly until it appears.

To start recording:
Press the **Shutter/Select Button**. The camera will emit one beep and the red **Camera Status Lights** will flash while recording.

To stop recording:
Press the **Shutter/Select Button**. The red **Camera Status Lights** flash three times and the camera emits three beeps to indicate recording has stopped.

The HERO3+ automatically stops recording when the memory card is full or the battery is out of power. Your video will be saved before the camera powers **OFF**.

▸See **VIDEO** mode for instructions on how to change resolution settings.

PHOTO

To capture a **Photo**, verify the camera is in **Photo** mode. If the **Photo** icon on your camera's LCD is not showing, press the **Power/Mode Button** repeatedly until it appears.

To take a photo:
Press and release the **Shutter/Select Button**. The camera beeps two times and the red **Camera Status Lights** flash.

▸See **PHOTO** modes for instructions on how to change resolution settings and other **PHOTO** features.

BURST PHOTO

In **Burst Photo** mode your camera takes multiple photos in short time intervals—**3 photos /1 second**, **5 photos /1 second**, **10 photos /1 second, 10 photos /2 seconds, 30 photos /1 second, 30 photos /2 seconds or 30 photos /3 seconds**.

To capture a **Burst Photo** series, verify the camera is in **Burst Photo** mode. If the **Burst Photo** icon on your camera's LCD screen is not showing, press the **Power/Mode Button** mode repeatedly until it appears.

To take a Burst Photo series:
Press the **Shutter/Select Button**. The red **Camera Status Lights** flash and the camera beeps multiple times.

PRO TIP:	Sometimes **30 photos /1 second** is too fast. Try a slower **BURST PHOTO** setting to better match the action.

▸See **BURST PHOTO** for instructions on how to change the interval settings.

TIME LAPSE

Time Lapse mode captures a series of photos at **0.5, 1, 2, 5, 10, 30** or **60** second intervals.

To capture a **Time Lapse** series, verify the camera is in **Time Lapse** mode. If the **Time Lapse** icon is not showing on your camera's LCD screen, press the **Power/Mode Button** repeatedly until it appears.

To take Time Lapse:
Press the **Shutter/Select Button**. The camera initiates countdown and the red **Camera Status Lights** flash each time a **Photo** is taken.

To stop Time Lapse:
Press the **Shutter/Select Button**. The red **Camera Status Lights** flash three times and the camera emits three beeps to indicate that **Time Lapse** has stopped.

▸See **TIME LAPSE** for instructions on how to change the interval settings.

SETTINGS

The **Settings** menu allows you to adjust a variety of camera settings including:

- **Video Resolution**
- **Photo Resolution**
- **Time Lapse**
- **Burst Photo**
- **Continuous Photo**

▸See **SETTINGS** menu to make changes, learn how to navigate menu options and read more details on each setting.

PLAYBACK

Playback **Video** and **Photos** by connecting your HERO3+ to a TV (requires Micro HDMI, Composite or Combo Cable, sold separately). You can also playback **Video** and **Photos** on the LCD Touch BacPac™ (optional accessory, sold separately). The **Playback** icon ▶ appears only if camera is connected to a TV or LCD Touch BacPac.

▸See **PLAYBACK** for more information on viewing your **VIDEOS** and **PHOTOS**.

SETTINGS

To enter the Settings menu:

1. Verify the camera is in the **Settings** mode. If the **Settings** icon on your camera's LCD screen is not showing, press the **Power/Mode Button** repeatedly until it appears.
2. Press the **Shutter/Select Button** to enter **Settings** menu .
3. Use the **Power/Mode Button** to cycle through the various **Settings** options.
4. Press the **Shutter/Select Button** to select desired option.
5. To exit, hold down the **Shutter/Select Button** for two seconds or cycle through to EXIT and press the **Shutter/Select Button** .

PRO TIP:	If at any time you wish to exit from the **Settings** menu, press and hold the **Shutter/Select Button** for two seconds.

CAMERA SETTINGS

VIDEO RESOLUTION/ FPS/FOV MODES

You can change **Resolution**, **fps** (frames per second) and **FOV** (field of view) in the **Video** mode menu. You can also turn **Auto Low Light** mode **ON/OFF**.

Once in the Settings menu:

1. Press the **Shutter/Select Button** to enter .
2. Use the **Power/Mode Button** to cycle through options.
3. Press the **Shutter/Select Button** to enter desired menu.
4. Use the **Power/Mode Button** to cycle through each sub-menu option and the **Shutter/Select Button** to select it.
5. To change additional options, repeat step 4.
6. To exit, hold down the **Shutter/Select Button** for two seconds or cycle through to EXIT and press the **Shutter/Select Button** to select it.

Make sure **Auto Low Light** mode is turned **ON** (default) when shooting in low-light environments or if quickly transitioning in and out of low-light conditions. The camera will automatically adjust fps to achieve the optimal exposure and best results. Available in select video modes only.

The HERO3+ Black Edition offers the following Video Capture modes:

Video Resolution	NTSC fps	PAL fps	Protune	Field of View (FOV)	Screen Resolution
4K / 4K 17:9	15 12	12.5 12	Yes	Ultra Wide	3840x2160, 16:9 4096x2160, 17:9
2.7K / 2.7K 17:9	30 24	25 24	Yes	Ultra Wide Medium	2704x1524, 16:9 2704x1440, 17:9
1440p	48 30 24	48 25 24	Yes	Ultra Wide	1920x1440, 4:3
1080p	60 48 30 24	50 48 25 24	Yes	Ultra Wide Medium Narrow	1920x1080, 16:9
1080p SuperView*	60 48 30 24	50 48 25 24	Yes	Ultra Wide	1920x1080, 16:9
960p	100 60 48	100 50 48	Yes Yes No	Ultra Wide	1280x960, 4:3
720p	120 60	100 50	Yes Yes	Ultra Wide Medium** Narrow	1280x720,16:9
720p SuperView*	100 60 48	100 50 48	Yes Yes No	Ultra Wide	1280x720,16:9
WVGA	240	240	No	Ultra Wide	848x480, 16:9

*SuperView delivers the world's most immersive field of view.

**720p120 and 720p100 only support Ultra Wide and Narrow FOV.

NOTE: Protune *mode is only possible in select* ***Video*** resolutions.

CAMERA SETTINGS

Video Resolution	Best Use
4K / 4K 17:9	Stunning high-resolution video with professional low-light performance. Pull 8MP stills from video. Recommended for tripod or fixed position shots.
2.7K / 2.7K 17:9	16:9 / 17:9 resolution video downscales to provide stunning, cinema-quality results for professional productions. Recommended for tripod or fixed position shots.
1440p	Recommended for body-mounted shots as larger viewing area and high frame rate yield the smoothest, most immersive results for high-action capture.
1080p	1080p60 is great for all shots as high resolution and frame rate yield stunning results. Tripod or fixed mounting for 1080p48 and 30 fps and 1080p24 is ideal for television and film productions.
1080p SuperView	Recommended for body- or gear-mounted shots. More vertical 4:3 content is automatically stretched to full-screen 16:9 for greater viewing enjoyment.
960p	Use for body-mounted shots and when slow motion is desired. Provides large viewing area and smooth results for high action capture.
720p	Good for handheld shots and when slow motion is desired.
720p SuperView	Good for body- or gear-mounted shots. More vertical 4:3 content is automatically stretched to full-screen 16:9 for greater viewing enjoyment.
WVGA	Good when super slow motion is desired and standard definition is acceptable.

PHOTO RESOLUTION MODES

The HERO3+ can capture photos at **12MP**, **7MP** and **5MP** resolutions. Any change to photo resolution also affects photos captured in **Photo, Photo Burst** and **Time Lapse** modes.

Photo Resolution	**Field of View (FOV)**
12MP	Ultra Wide (Default)
7MP	Ultra Wide, Medium
5MP	Medium

CONTINUOUS PHOTO

Continuous Photo mode allows you to capture a series of **Photos** continuously while holding down the **Shutter/Select Button** button.

3 photos every 1 second
5 photos every 1 second
10 photos every 1 second

NOTE: *Your camera will remain in **Continuous Photo** mode until you return it to single **Photo** capture mode.*

CAMERA SETTINGS

BURST PHOTO OPTIONS

Burst Photo mode captures a series of **Photos** when the **Shutter/Select Button** is pressed. **Photos** can be captured at the following rates:

3 photos in 1 second
5 photos in 1 second
10 photos in 1 second
10 photos in 2 seconds
30 photos in 1 second (Default)
30 photos in 2 seconds
30 photos in 3 seconds

TIME LAPSE

Several time interval options are available for **Time Lapse** mode, including **0.5, 1, 2, 5, 10, 30** and **60** seconds.



CAPTURE SETTINGS MENU

Capture Settings allows you to adjust the following advanced capture options:

- **Camera Orientation**
- **Spot Meter**
- **Simultaneous Video and Photo**
- **Looping Video**
- **Protune**
- **White Balance***
- **Color***
- **ISO Limit***
- **Sharpness***
- **Exposure***

▸See **CAPTURE SETTINGS** section for a complete list of capture options**.**

White Balance**, **Color**, **ISO Limit**, **Sharpness** and **Exposure** are only available while shooting in **Protune.

CAMERA SETTINGS

SET UP MENU

The **Set Up** menu allows you to adjust the following camera settings:

- **Default mode at Power Up**
- **One Button Mode**
- **NTSC/PAL**
- **On Screen Display**
- **Camera Status Lights**
- **Sound Indicator**
- **Month/Day/Year/Time**

▸See **SET UP** menu section for a complete list of set up options.



WIRELESS CONTROLS

The camera's built-in **Wi-Fi** allows you to connect to the Wi-Fi Remote or smartphone/tablet via the GoPro App. When **Wi-Fi** is **ON**, a **Wi-Fi** status icon will appear on the camera's **LCD Status Screen** and the blue **Wi-Fi Status Lights** will blink intermittently. When you turn **OFF** the **Wi-Fi**, the **Wi-Fi Status Lights** flash seven times.

To turn Wi-Fi ON/OFF:

Press the **Wi-Fi On/Off Button** to turn **Wi-Fi ON/OFF**. The most recently used **Wi-Fi** mode will be active when **Wi-Fi** is **ON**.

▸See **WIRELESS CONTROLS** section for a complete list of wireless functions

NOTE: *Your camera cannot connect to the Wi-Fi Remote and GoPro App at the same time.*

CAMERA SETTINGS

DELETE

Delete the last file or all files and format the memory card. During delete **LAST** or **ALL**, the **Camera Status Lights** blink until operation is complete.

CANCEL	(Default)
LAST	
ALL	(Formats SD card)

To delete LAST or ALL:

1. Verify the camera is in **Settings** mode. If the **Settings** icon on your camera's LCD screen is not showing, press the **Power/Mode Button** repeatedly until it appears.
2. Press the **Shutter/Select Button** to enter **Settings** menu .
3. Use the **Power/Mode Button** to cycle through **Settings** to locate the **Trash** .
4. Press the **Shutter/Select Button** to enter **Delete**.
5. Use the **Power/Mode Button** to cycle through options.
6. Select highlighted option by pressing the **Shutter/Select Button** .
7. To exit, hold down the **Shutter/Select Button** for two seconds or cycle through to EXIT and press the **Shutter/Select Button** .

PRO TIP:	Use caution—by selecting **ALL**, the memory card will be formatted, deleting every file on your SD card.

EXIT EXIT

From the EXIT screen, press the **Shutter/Select Button** to exit the **Settings** menu.

PRO TIP:	If at any time you wish to exit from the **Settings** menu, press and hold the **Shutter/Select Button** for two seconds.



CAPTURE SETTINGS

To enter the Capture Settings menu:

1. Verify the camera is in **Settings** mode. If the **Settings** icon on your camera's LCD screen is not showing, press the **Power/Mode Button** repeatedly until it appears.
2. Press the **Shutter/Select Button** to enter the **Settings** menu .
3. Use the **Power/Mode Button** to cycle through **Settings** to locate the **Capture Settings** menu CAPTURE SETTINGS .
4. Press the **Shutter/Select Button** to enter **Capture Settings**.
5. Use the **Power/Mode Button** to locate the desired option to change.
6. Press the **Shutter/Select Button** to select the desired option.
7. Some options have a sub-menu. Use the **Power/Mode Button** to cycle through the sub-menus.
8. Press the **Shutter/Select Button** to select a highlighted option.
9. To exit, hold down the **Shutter/Select Button** for two seconds or cycle through to **EXIT** and press the **Shutter/Select Button** to select it.

You can customize the way your HERO3+ camera captures **Video** and **Photos** in the **Capture Settings** menus, such as **Upside Down**, **Looping Video** and **White Balance**.

UPSIDE DOWN

Mounting your HERO3+ **Upside Down** but wish the files to appear upright when viewing or editing? This setting eliminates the need to flip your **Video** or **Photos** after recording.

UP	Camera right side up (Default)
UP	Camera upside down

SPOT METER

Turn on **Spot Meter** when filming from within a dark space pointing the camera into a brighter setting, such as filming the outdoors from within a car. When **Spot Meter** is set to **ON**, ● appears in the LCD window.

OFF	(Default)
ON	

CAPTURE SETTINGS



SIMULTANEOUS VIDEO AND PHOTO

Simultaneous Video and Photo mode, allows you to simultaneously capture both **Videos** and **Photos**. You can set the camera to take a **Photo** every **5 seconds**, **10 seconds**, **30 seconds** or **60 seconds** while you record **Video**. To set your camera to **Picture In Video** mode, verify that a supported **Video** resolution is selected and that **Protune** is turned **OFF**.

OFF
5 seconds
10 seconds
30 seconds
60 seconds

NOTE: *You can capture **Simultaneous Video and Photo** in one of the following resolution settings: 1080p24 fps, 1080p30/25 fps, 720p60/50 fps or 1440p24 fps.*

Simultaneous Video and Photo (continued):

Your resulting **Photo** size is determined by the **Video** dimensions you select.

Video Mode	FOV	Photo MP
1440p24 fps	Wide	12MP
1080p30/25 fps	Wide	8MP
	Medium	5MP
	Narrow	2MP
1080p24 fps	Wide	8MP
	Medium	5MP
	Narrow	2MP
720p60/50 fps	Wide	8MP
	Medium	5MP
	Narrow	2MP

PRO TIP: While capturing **Video** you can manually take a **Photo** at any time by simply pressing the **Power/Mode Button** 

.

LOOPING VIDEO

Looping Video mode allows you to record a continuously looping video that overwrites itself until you press the **Shutter/Select Button** button to stop it. **Looping Video** is not available if **Protune** mode is turned **ON**.

Looping Video options include:

OFF	(Default)
Max video	Camera records until memory card is full, then overwrites with a new video.
5 min video	Camera records for 5 minutes, then begins a new video, progressively overwriting the previous 5 minute video.
20 min video	Camera records for 20 minutes, then begins a new video, progressively overwriting the previous 20 minute video.
60 min video	Camera records for 60 minutes, then begins a new video, progressively overwriting the previous 60 minute video.
120 min video	Camera records for 120 minutes, then begins a new video, progressively overwriting the previous 120 minute video.

PRO TIP:	Multiple chapter files are written to your memory card. This allows for small segments of content to be overwritten during loop recording. When viewing on a computer screen, you will see separate files for each time segment. Use video editing software if you wish to combine files into a longer video.

NOTE: Looping Video *is disabled in* ***Protune*** *mode.*

PROTUNE

Protune is a video mode that unlocks the camera's full potential, yielding stunning image quality and cinema-caliber video optimized for professional productions. **Protune** gives content creators more flexibility and workflow efficiency than ever before.

PROTUNE KEY BENEFITS:

High-Quality Image Capture
Protune's high data rate captures images with less compression, giving content creators higher quality for professional productions.

Advanced Control
Protune enables manual control of **White Balance**, **Color**, **ISO Limit**, **Sharpness** and **Exposure** for advanced control and customization of your video footage.

Film/TV Rate Standard
While shooting in **Protune**, you have the option of recording video in cinema-quality 24 fps to easily intercut GoPro content with other source media without the need to perform fps conversion.

Turning **Protune ON** affects several settings and features, such as **Video Resolution**, **fps**, **FOV** and **Simultaneous Video and Photo**.

OFF	(Default)
ON	

PROTUNE RESOLUTIONS:

Protune is available in the following resolutions:

Resolution	fps
4K / 4K 17:9	15, 12.5,12
2.7K / 2.7K 17:9	30, 25, 24
1440p	48, 30, 25, 24
1080p	60, 50, 48, 30, 25, 24
1080p SuperView	60, 50, 48, 30, 25, 24
960p	100, 60, 50
720p	120, 100, 60, 50
720p SuperView	100, 60, 50

COMPATIBILITY: Protune is compatible with professional color correction tools, GoPro Studio and other video editing software.

PROTUNE SETTINGS

Protune enables advanced control of **White Balance**, **Color**, **ISO Limit**, **Sharpness** and **Exposure**.

PRO TIP:	Making adjustments to your **Protune** settings will not affect your non-**Protune** video modes. You can reset your **Protune** settings to their default states by selecting **RESET** in the **Protune** menu.

WHITE BALANCE

White Balance adjusts the overall color tone of videos. You can make adjustments to **White Balance** when shooting in **Protune** mode.

White Balance Setting	Recommended Lighting Conditions
Auto (Default)	
3000K	Warm light (incandescent or sunrise/ sunset lighting)
5500K	Slightly cool light (cool flourescent or average daylight)
6500K	Cool light (overcast conditions)
Cam RAW	Industry standardized optimized color

PRO TIP: **Cam RAW** mode yields a minimally processed data file direct from the image sensor that allows for more precise adjustments to be made in post-production. Recording in **Cam RAW** takes full advantage of the image sensor's capabilities.



COLOR

Color allows you to adjust the color profile of your video footage. There are two **Color** options: **GoPro Color** (default) and **Flat**. **GoPro Color** delivers the same great color you capture when **Protune** is turned **OFF**. **Flat** results in a neutral color profile that can be color-corrected to better match footage captured with other equipment, offering more flexibility in post-production. Due to its log curve, **Flat** captures more details in shadows and highlights.

Color Setting	**Resulting Color Profile**
GoPro Color (Default)	GoPro color-corrected profile
Flat	Flat, neutral color profile

ISO LIMIT

ISO Limit adjusts the camera's sensitivity in low-light environments, and creates a balance between brightness and resulting image noise. A higher **ISO Limit** will result in brighter footage, but you may experience more noise. A lower **ISO Limit** will result in darker footage, but will deliver reduced noise.

ISO Limit Setting	**Resulting Video Quality**
6400 (Default)	Brighter video in low light, increased image noise
1600	Moderately bright video in low light, moderate image noise
400	Darker video in low light, reduced image noise

SHARPNESS

Sharpness controls the sharpness of your video footage. There are three **Sharpness** options: **Low**, **Medium** and **High**.

Sharpness Setting	**Resulting Video Quality**
High (Default)	Ultra-sharp video
Medium	Moderately sharp video
Low	Softer video that allows for more flexibility in post-production

EXPOSURE

Exposure compensation affects the brightness of your video. Adjusting **Exposure** can improve image quality when shooting in environments with contrasting lighting conditions.

Exposure Settings

+2.0	+1.5	+1.0	+0.5	0 (Default)	-0.5	-1.0	-1.5	-2.0

PRO TIP:	**Exposure** compensation adjusts brightness within the existing **ISO Limit**. If brightness has already reached the **ISO Limit** in a low-light environment, increasing your **Exposure** compensation will not have any effect.

EXIT EXIT

From the **EXIT** screen press the **Shutter/Select Button** ◯ to exit the **Capture Settings** menu.

PRO TIP:	If at any time you wish to exit from the **CAPTURE SETTINGS** menu, press and hold the **Shutter/Select Button** ◯ for two seconds.



SET UP

To enter the Set Up menu:

1. Verify the camera is in **Settings** mode. If the **Settings** icon on your camera's LCD screen is not showing, press the **Power/Mode Button** repeatedly until it appears.
2. Press the **Shutter/Select Button** to enter the **Settings** menu.
3. Use the **Power/Mode Button** to cycle through **Settings** to locate the **Set Up** menu SET UP .
4. Press **Shutter/Select Button** to enter **Set Up**.
5. Use the **Power/Mode Button** to locate the desired option to change.
6. Press **Shutter/Select Button** to select the desired option.
7. To exit, hold down **Shutter/Select Button** for two seconds or cycle through to EXIT and press **Shutter/Select Button** to select it.

DEFAULT MODE AT POWER UP

DEFAULT

You can set the camera's **Default** mode at power up to any of the following modes:

	**VIDEO** (default)
	**PHOTO**
	**BURST PHOTO**
	**TIME LAPSE**

1 BUTTON ONE BUTTON

With **One Button** mode selected, the camera automatically begins recording when powering the camera **ON**. **One Button** mode can be configured to start in **Video** or **Time Lapse**.

OFF	(Default)
ON	

To turn One Button mode ON:

1. Verify the camera is in **Settings** mode. If the **Settings** icon on your camera's LCD screen is not showing, press **Power/Mode Button** repeatedly until it appears.
2. Press the **Shutter/Select Button** to enter the **Settings** menu .
3. Use the **Power/Mode Button** to cycle through **Settings** to locate the **Set Up** menu SET UP.
4. Press the **Shutter/Select Button** to enter **Set Up**.
5. Use the **Power/Mode Button** to cycle through to locate **One Button** mode 1 BUTTON.
6. Press the **Shutter/Select Button** to enter **One Button** menu.
7. Use the **Power/Mode Button** to cycle through options.
8. Press the **Shutter/Select Button** to select a highlighted option.
9. To exit, hold down the **Shutter/Select Button** for two seconds or cycle through to EXIT and press the **Shutter/Select Button** to select it.

The next time you power your camera **ON**, it will begin recording in its **Default Power Up Mode**. To stop recording, push and hold for two seconds.

ONE BUTTON MODE (continued):

To exit **One Button** mode:

1. Power camera **ON**.
2. Press and hold the **Shutter/Select Button** until 1 BUTTON shows in the LCD window.
3. Press the **Shutter/Select Button** to enter.
4. Use the **Power/Mode Button** mode to highlight **OFF**.
5. Press the **Shutter/Select Button** to select it.
6. To exit, hold down the **Shutter/Select Button** for two seconds or cycle through to EXIT and press the **Shutter/Select Button**.

PRO TIP:	To stop the capture process (**VIDEO** or **TIME LAPSE**) when in **ONE BUTTON**, press and hold the **Shutter/Select Button** for two seconds. You will return to the **ONE BUTTON** menu where you can turn **ONE BUTTON** mode **OFF**.

***NOTE: One Button** mode is disabled when connected to Wi-Fi Remote or GoPro App.*

NTSC / PAL

The **NTSC** and **PAL** settings govern **Video** recording frame rate and playback when viewing **Video** on a TV/HDTV. Select **NTSC** when viewing a TV/HDTV in North America. Select **PAL** if viewing on a PAL TV/HDTV (most televisions outside of North America) or if viewing on a PAL TV/HDTV in any region.

ONSCREEN DISPLAY

To display or hide the recording icons and file information on **Video** or the viewing screen during playback, turn **Onscreen Display (OSD) OFF** or **ON**.

OFF	
ON	(Default)

CAMERA STATUS LIGHTS

Keep all four **Camera Status Lights** active, only two active (front and back) or turn **OFF** all lights.

4	(Default)
2	
OFF	

SOUND INDICATOR

You can adjust volume or turn **OFF** the **Sound Indicator**.

100%	(Default)
70%	
OFF	

MANUAL POWER OFF

The HERO3+ can be configured to automatically power **OFF** after a specific period of inactivity (when no **Videos** or **Photos** are being taken and no buttons have been pressed).

MANUAL	(Default)
60 sec	
120 sec	
300 sec	

MONTH / DAY / YEAR / TIME

Set the HERO3+ clock to ensure **Video** and **Photo** files are saved with the correct date and time.

To change Month/Day/Year/Time:

1. Verify the camera is in **Settings** mode. If the **Settings** icon on your camera's LCD screen is not showing, press the **Power/Mode Button** repeatedly until it appears.
2. Press the **Shutter/Select Button** to enter the **Settings** menu .
3. Use the **Power/Mode Button** to cycle through **Settings** to locate the **Set Up** menu .
4. Press the **Shutter/Select Button** to enter the **Set Up** menu.
5. Use the **Power/Mode Button** to locate the **Month/Day/Year/Time** menu .
6. Press the **Shutter/Select Button** to enter **Month/Day/Year/Time** menu; **Month (MM)** will be highlighted.
7. Press the **Shutter/Select Button** to access the list of months (**1** to **12**).
8. Use the **Power/Mode Button** to cycle through list until desired selection is highlighted.
9. Press the **Shutter/Select Button** to select it.
10. To advance to the next option, press the **Shutter/Select Button** .
11. Repeat steps 7, 8 and 9 to make selections for day (**DD**), year (**YY**), hour (**HH**) and minutes (**MM**).
12. To exit, hold down the **Shutter/Select Button** for two seconds or cycle through to EXIT and press the **Shutter/Select Button** .

NOTE: *If the battery is removed from the camera for an extended period of time* ***Month/Day/Year/Time*** *will need to be set again.*

EXIT EXIT

From the **EXIT** screen, press the **Shutter/Select Button** to exit the **Set Up** menu.

PRO TIP:	If at any time you wish to exit from the **SET UP** menu, press and hold the **Shutter/Select Button** for two seconds.



WIRELESS CONTROLS

The built-in **Wi-Fi** allows your HERO3+ camera to connect to the Wi-Fi Remote or to the GoPro App using a smartphone or tablet.

To turn Wi-Fi ON/OFF via the Wi-Fi On/Off Button :

Press the **Wi-Fi On/Off Button** to turn **Wi-Fi ON/OFF**. When turning **Wi-Fi ON,** the **Wi-Fi** mode will be set to the most recently used mode.

PAIRING YOUR HERO3+ WITH THE WI-FI REMOTE

Before using the Wi-Fi Remote for the first time, you must pair it with your camera.

On the camera:

1. Ensure both camera and remote are powered **OFF**.
2. Press the **Power/Mode Button** to power **ON** your HERO3+.
3. Press the **Wi-Fi On/Off Button** to turn **ON** the **Wi-Fi**,
4. Press the **Wi-Fi On/Off Button** again to access the **Wi-Fi** menu .
5. Press the **Shutter/Select Button** to enter the **Wi-Fi** menu .
6. Use the **Power/Mode Button** to cycle to **Wi-Fi RC**, then press the **Shutter/Select Button** to select it.
7. Use the **Power/Mode Button** to cycle to **NEW**, then press the **Shutter/Select Button** to select it.
8. You will see ⇒⁄⇐.



WIRELESS CONTROLS (CONTINUED)

On the Wi-Fi Remote:

1. While holding down the **Shutter/Select Button**, press and release the **Power/Mode Button** once to power the remote **ON** into pairing mode.
2. When you see ⇒/⇐ on the remote's screen, you can release the **Shutter/Select Button**.
3. ☑ will appear on both screens once the devices have paired.
4. The remote will now ask if you want to **CONNECT ANOTHER?** camera.
   a. If you want to connect additional cameras at this time, press the **Shutter/Select Button** to select **YES**, then repeat the pairing process from the beginning.
   b. If no, press the **Power/Mode Button** to cycle to **NO**, then press the **Shutter/Select Button** to select it.

The remote's LCD screen will mirror the camera's LCD screen. You can now use the remote to control your camera.

USING YOUR HERO3+ WITH THE WI-FI REMOTE

Once you have paired your camera with the Wi-Fi Remote, follow these steps the next time you want to use the remote to control your camera. You only need to pair the camera and remote once.

On the camera:

1. First, ensure both camera and remote are powered **OFF**.
2. Press the **Power/Mode Button** to power **ON** your HERO3+.
3. Press the **Wi-Fi On/Off Button** to turn **ON** the **Wi-Fi**.
4. Press the **Wi-Fi On/Off Button** again to access the **Wi-Fi** menu .
5. Press the **Shutter/Select Button** to enter the **Wi-Fi** menu .
6. Use the **Power/Mode Button** to cycle to **Wi-Fi RC**, then press the **Shutter/Select Button** to select it.
7. Press the **Shutter/Select Button** to select **CURRENT**.
8. You will see .

On the remote:

1. Press the **Power/Mode Button** to power **ON** the remote.
2. You will see on the remote's screen.
3. ☑ will appear once camera and remote are connected.

The remote's LCD screen will mirror the camera's LCD screen.
You can now use the remote to control your camera.

USING YOUR HERO3+ WITH THE GOPRO APP (FREE)

The GoPro App lets you control your camera remotely using a smartphone or tablet. Features include full camera control, live preview, playback and sharing of select content and more.*

Follow these steps to connect your HERO3+ to the GoPro App.

1. Download the GoPro App to your smartphone or tablet at the Apple App Store, Google Play or Windows Phone marketplace.
2. Press the **Power/Mode Button** to power camera **ON**.
3. Press the **Wi-Fi On/Off Button** twice, then press the **Shutter/Select Button** to enter **Wi-Fi** menu .
4. Use the **Power/Mode Button** to cycle through options, press the **Shutter/Select Button** to select **GoPro App**.
5. In your smartphone's or tablet's Wi-Fi network settings, connect to the camera's Wi-Fi network. The network name will begin with "GOPRO-BP-", followed by a series of letters/numbers.
6. Enter the password "goprohero". (This is the camera's default password. You can customize the password at gopro.com/update. If you've already customized the password, enter that password instead of "goprohero".)
7. Open the GoPro App on your smartphone or tablet. You will now be able to control the camera with your smartphone or tablet plus view, playback and share select content.*

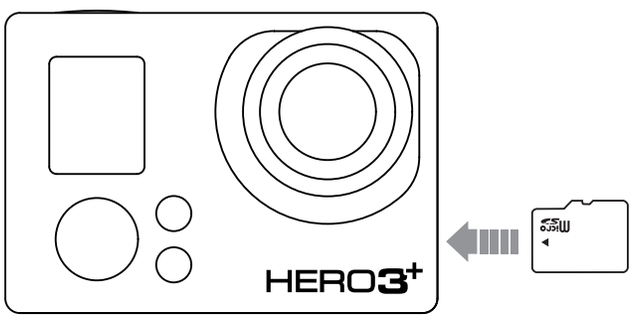
PRO TIP:	See what your HERO3+ sees by viewing it on your smartphone or tablet's screen.

*For device compatibility, please see **gopro.com**.

STORAGE/MICROSD CARDS

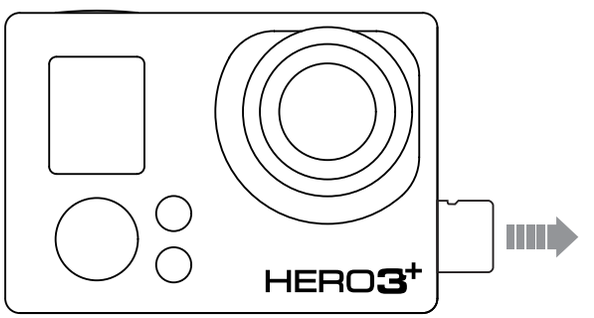
The HERO3+ camera is compatible with **4GB, 8GB, 16GB, 32GB** and **64GB** capacity **microSD**, **microSDHC** and **microSDXC** memory cards. You must use a microSD card with a Class 10 speed rating. GoPro recommends using brand name memory cards for maximum reliability in high-vibration activities.

To insert microSD card:



1. Slide memory card into card slot with label facing front of camera.
2. The card will click into place when fully inserted.

To remove microSD card:



1. Place fingernail against edge of memory card and lightly press further into camera.
2. Card will spring out far enough to be removed.

PRO TIP:	Use care when handling memory cards. Avoid liquids, dust and debris. As a precaution, turn off the camera before inserting or removing the card. Check manufacturer guidelines regarding use in acceptable temperature ranges.

Minimum system requirements for best playback on Mac® and Windows® PCs:

- Mac OS® X 10.5 and later/ Microsoft Windows ® Vista, 7 and later
- 2nd generation Intel® Core™-based processor or AMD equivalent (3rd generation Intel Core-i7 recommended)
- 2GB RAM (4GB or greater recommended)
- Graphics processor comparable to an Intel HD Graphics 3000, nVidia GeForce 600 Series, AMD Radeon HD6000 Series or better

PRO TIP:	Want to see your **Video** and **Photos** on the big screen? Connect your HERO3+ directly to your TV/HDTV using a **Micro HDMI Cable**, **Composite Cable** or **Combo Cable** (optional accessories, sold separately).

TRANSFERRING FILES

TO TRANSFER VIDEO AND PHOTO FILES TO A COMPUTER

On a PC:

1. Connect the camera to the computer using included USB cable.
2. Press the **Power/Mode Button** 

to turn **ON** the camera.
3. Double click “My Computer” and locate “Removable Disk”.
4. If “Removable Disk” is not showing, close “My Computer” folder and reopen it. The “Removable Disk” icon should appear.
5. Double click “Removable Disk” icon.
6. Double click “DCIM” folder icon.
7. Double click “100GOPRO” icon to view all **Photo** and **Video** files.
8. Copy files to the computer or external hard drive.

On a Mac:

1. Connect the camera to Mac using included USB cable.
2. Press the **Power/Mode Button** 

to turn **ON** the camera.
3. Icon will appear on desktop. Double click the icon to access files.
4. Copy files to computer or external hard drive.

TO VIEW VIDEOS AND PHOTOS

Videos and **Photos** can be viewed on a TV/HDTV or the LCD Touch BacPac (optional accessory, sold separately).

PLAYBACK ON TV/HDTV

To browse Videos and Photos:

1. Plug the camera into a TV/HDTV with a **Micro HDMI Cable**, **Composite Cable** or **Combo Cable** (optional accessories).
2. Turn camera **ON**.
3. On your camera, press the **Power/Mode Button** 

to cycle to **Playback**  . Press the **Shutter/Select Button**  .
4. HERO3+ displays thumbnail previews of all **Videos** and **Photos** on the SD card. **Photo** sets taken in **Continuous Photo**, **Photo Burst** and **Time Lapse** display the first **Photo** in a series.
5. While in thumbnail preview, use the **Power/Mode Button** 

to cycle through thumbnails. Press the **Shutter/Select Button**  to view.
6. Use  and  to navigate backward and forward to see more media files on your memory card.
7. Depending on whether you are viewing **Videos** or **Photos**, different control options will appear. Use the **Power/Mode Button** 

and the **Shutter/Select Button**  to navigate.

NOTE: Burst Photo and Time Lapse *files will display the first* ***Photo*** *in the series. To view all* ***Photos*** *in a series, use* the ***Power/Mode Button*** 

to select ***View*** *and press* the ***Shutter/Select Button***  .

PLAYBACK

PLAYBACK ON LCD TOUCH BACPAC (SOLD SEPARATELY)

Playback using the LCD Touch BacPac™ follows a similar process/procedure as described with a few slight variations.

▸See the LCD Touch BacPac User Manual for more information.

BATTERY

MAXIMIZING BATTERY LIFE

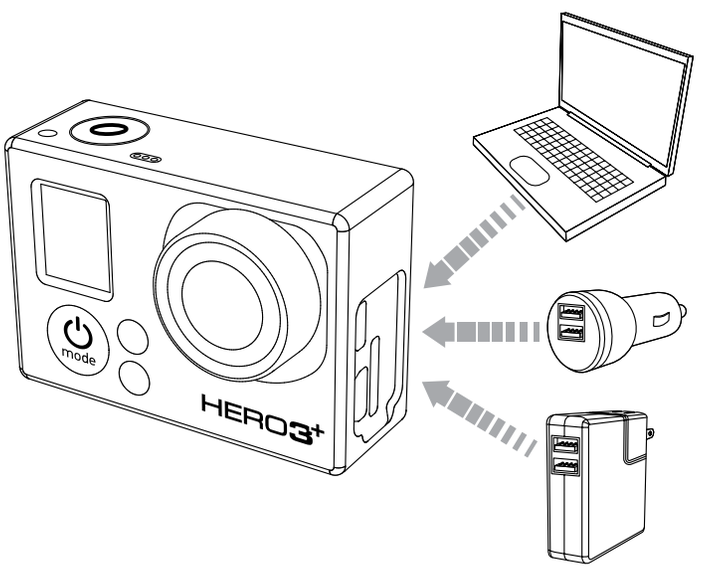
To maximize battery life, turn Wi-Fi **OFF**. To maximize battery life when shooting longer-duration activities, turn **OFF** or detach the LCD Touch BacPac™ (optional accessory, sold separately). Extreme cold temperatures may decrease battery life. To maximize battery life in cold conditions, keep camera in a warm place prior to use. Shooting with Protune mode turned **ON** will increase power consumption.

CHARGING THE BATTERY

The battery icon displayed in the camera's LCD will blink when the battery drops below 10%. If recording is occurring when battery reaches 0%, the camera will save the file and power **OFF**.

To charge the battery:

1. Connect the camera to a computer or USB power supply (such as the Wall Charger or Auto Charger).
2. The red **Status Indicator Light** remains **ON** while the battery is charging.
3. The red **Status Indicator Light** will turn **OFF** when the battery is fully charged.



You can also charge the battery outside the camera using the Dual Battery Charger (optional accessory, sold separately).

No damage will occur to the camera or the battery if used prior to full charge. Spare batteries and additional charging accessories are available at: **gopro.com**.

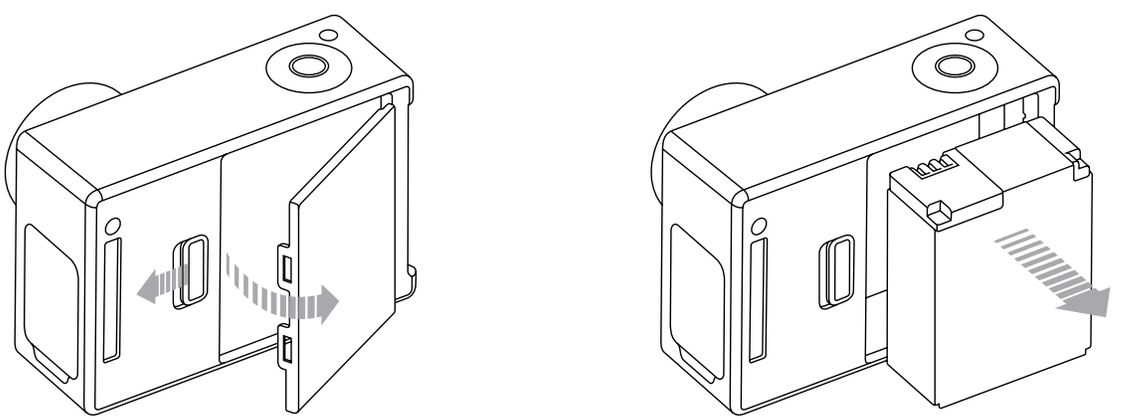
USING THE CAMERA WHILE CHARGING

You can capture **Video** and **Photos** while charging the camera's battery. Simply plug the camera into a computer or any USB charging device using the included USB Cable.

REMOVING THE BATTERY FROM THE CAMERA

The HERO3+ battery is designed to have a tight fit to maximize reliability in high-vibration activities.

To remove the battery:



1. Remove the battery door by placing your thumb in the indentation in the battery door (on the back of the camera) and sliding it to the left.

2. Allow the door to pop out. Grasp the battery pull-tab and remove from the camera.

MICROSD CARD MESSAGES

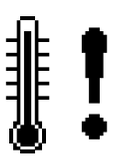
NO SD	No card present. The camera requires a **microSD**, **microSDHC** or **microSDXC** card to record **Video** or take **Photos**.
SD FULL	Card is full. Delete files or swap card.
SD ERROR	Camera unable to access card.

FILE REPAIR ICON ON THE LCD



If you see the **File Repair** icon on the LCD screen, your **Video** file was corrupted during recording. Press any button and the camera will repair the file.

TEMPERATURE WARNING ICON ON THE LCD

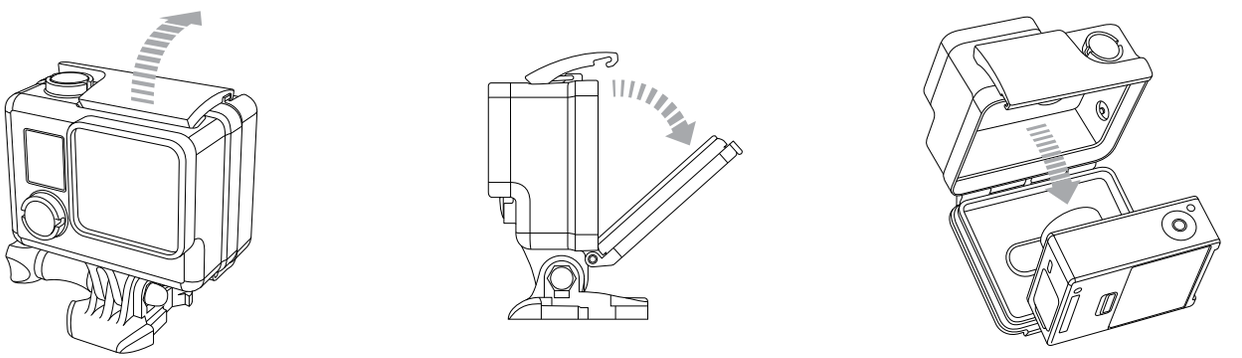


The **Temperature Warning** icon will appear on the LCD when the camera has become too hot and needs to cool down. Simply let it sit and cool before attempting to use it again. Your camera will not allow itself to overheat—do not worry, no damage has occurred.

ASSEMBLING THE CAMERA HOUSING

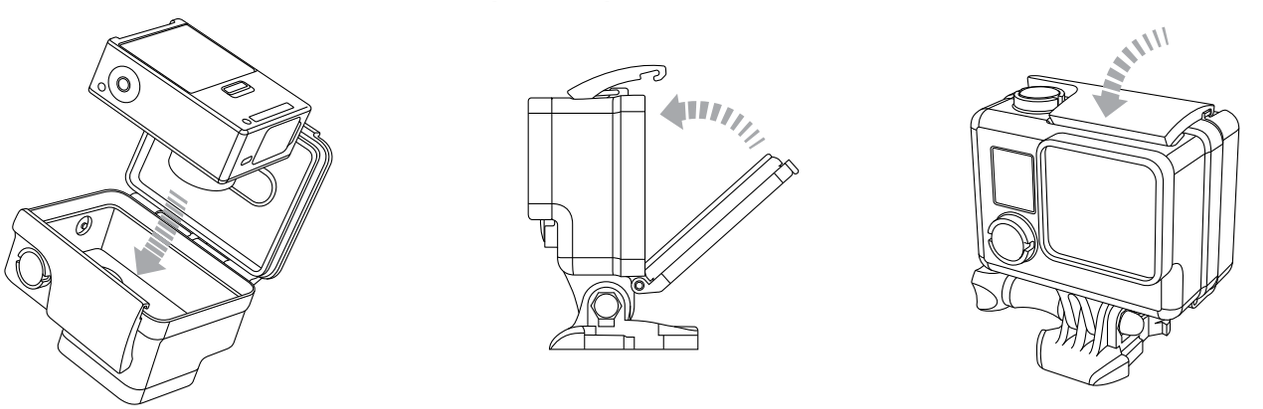
To remove camera from housing:

1. Lift front of latch up to disengage from camera housing.
2. Pivot latch backward and pull up to release backdoor.
3. Pull open housing backdoor and remove camera.

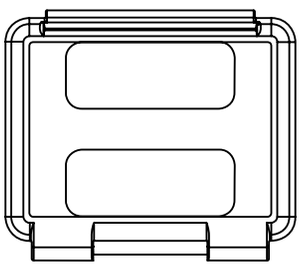


To secure camera in housing:

1. Open housing and drop camera into position.
2. Close housing backdoor.
3. Pivot hinged arm backwards and hook lip of latch into grooved top of housing backdoor.
4. Push latch down to snap into place.

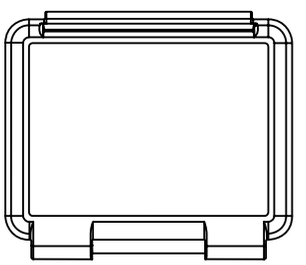


Your HERO3+ camera housing comes with two types of backdoors—Skeleton (non-waterproof) and Standard (waterproof).



Skeleton Backdoor

The Skeleton Backdoor (non-waterproof) provides better sound quality by allowing more sound to reach the camera's microphone. It also reduces wind noise at speeds up to 100mph when mounted on helmets, motorcycles, bikes and other fast-moving vehicles. Use this backdoor only when sand, excessive dirt/dust and water damage is not a risk. This backdoor is also recommended for use inside vehicles.



Standard Backdoor

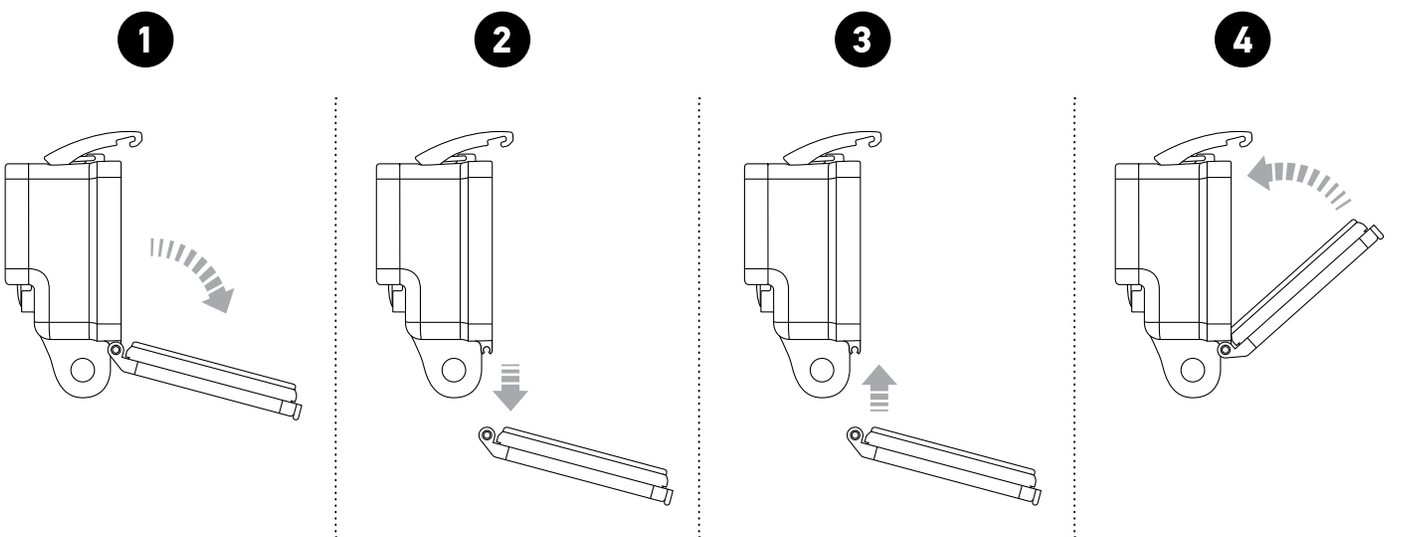
The Standard Backdoor makes the housing waterproof to 131'/40m. Use this door when you need to protect the camera from water and other environmental hazards.

PRO TIP:	Apply Rain-X or a similar anti-beading solution to the camera housing lens to prevent water spots from forming when using your camera in rain or water. When Rain-X is not available, periodically licking your lens is a good backup solution. Trust us, it works.

SWAPPING BACKDOORS

You can switch the Backdoor of your HERO3+ camera to suit your activity and shooting conditions.

To change backdoor:



1. Open the Backdoor of the housing so that it is hanging downwards.
2. Pull downwards on the Backdoor until it snaps free from the hinge.
3. Line up replacement Backdoor into the hinge opening.
4. Push upwards on the Backdoor until it clicks into place.

PREVENTING WATER DAMAGE TO YOUR CAMERA

The rubber seal that lines the camera housing forms a waterproof barrier that protects your HERO3+ in wet and underwater conditions.

Keep the camera housing's rubber seal clean. A single hair or grain of sand can cause a leak and damage your camera.

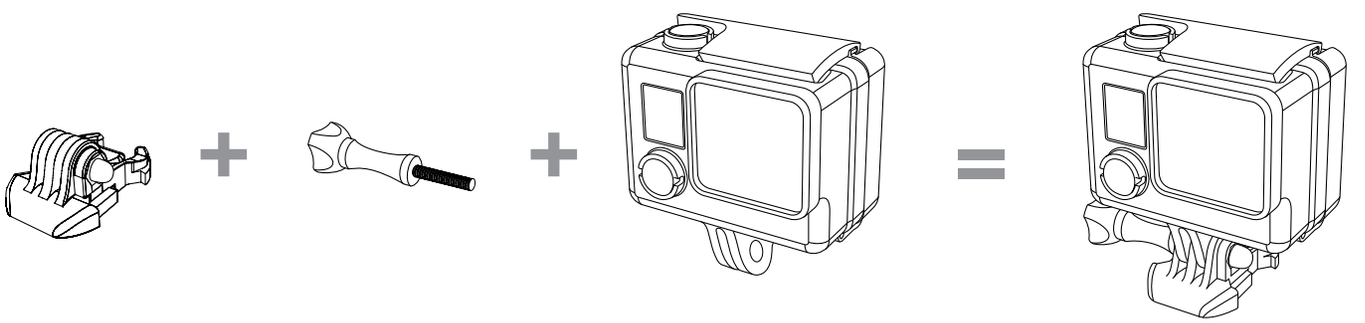
After every use in salt water, rinse the outside of the camera housing with non-salt water and dry. Not doing this can eventually cause corrosion of the hinge pin and salt buildup in the seal, which can cause failure.

To clean the seal, rinse in fresh water and shake dry (drying with a cloth may cause lint to compromise the seal). Re-install the seal into the grooves in the backdoor of the camera housing.

WARNING: *Failure to follow these steps each time you use your HERO3+ can result in leaks that may damage or destroy your camera. Your warranty does not cover water damage resulting from user error.*

ATTACHING YOUR CAMERA TO MOUNTS

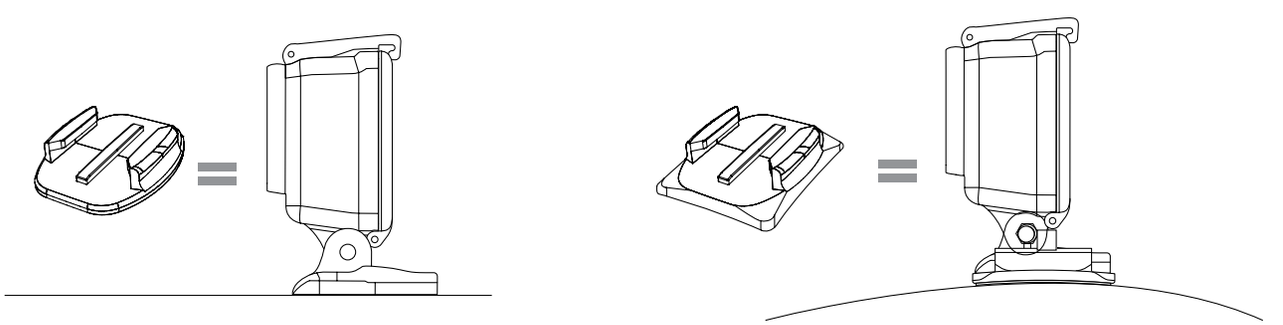
To attach your HERO3+ camera to a mount, you will need a Quick Release Buckle, thumb screw or hardware depending on the mount you are using. For more information on mounts, visit: **gopro.com/support**.



Quick Release Buckle | **Thumb Screw** | **Housing** | **Complete Unit**

USING CURVED + FLAT ADHESIVE MOUNTS

The Curved + Flat Adhesive Mounts make it easy to attach the camera to curved and flat surfaces of helmets, vehicles and gear. Using the Quick Release Buckle, the assembled camera housing can be clicked on and off the secured Curved or Flat Curved Adhesive Mounts.



Flat Adhesive Mount | **Curved Adhesive Mount**

ATTACHING ADHESIVE MOUNTS

PRO TIPS:	Apply to clean surface only. Wax, oil, dirt or other debris will reduce adhesion, which can result in a weak bond and risk of losing camera should connection fail.
	Attach mount in room temperature conditions. Mount's adhesive will not bond properly if applied in cold or damp environments to cold or damp surfaces, or if the surface is not room temperature.
	Adhesive mounts should only be mounted to smooth surfaces; porous or textured surfaces will not enable a proper bond. When applying mount, firmly press into place and ensure full contact over entire surface.
	For best results, attach the mount 24 hours prior to use.

▸See: **gopro.com/support** for more information on mounts.

Locking Plug



Using the HERO3+ in high impact sports such as surfing or skiing where significant impact may occur? Use the special Locking Plug which securely locks the Quick Release Buckle fingers into place—helping prevent accidental housing release from the mount. The circular ring fits over the thumbscrew and acts as a leash to prevent dropping or losing the locking plug

HANDLING THE WI-FI REMOTE

CAUTION
Failure to follow these safety instructions could result in damage to the Wi-Fi Remote or other property.

HANDLING
The Wi-Fi Remote contains sensitive components. Do not drop, disassemble, open, crush, bend, deform, puncture, shred, microwave, incinerate, paint or insert foreign objects into either product. Do not use the Wi-Fi Remote if it has been damaged—for example, if the product is cracked, punctured or damaged by water.

KEEPING THE WI-FI REMOTE'S LCD CLEAN
Clean LCD screen immediately if it comes into contact with any contaminants that may cause stains, such as ink, dyes, makeup, dirt, food, oils and lotions. To clean the LCD, use a soft, slightly damp, lint-free cloth. Avoid getting moisture in openings. Don't use window cleaners, household cleaners, aerosol sprays, solvents, alcohol, ammonia or abrasives to clean LCD.

WATER RESISTANCE
Do not submerge the Wi-Fi Remote in more than 10ft / 3m of water. Do not attempt to dry the Wi-Fi Remote with an external heat source, such as a microwave oven or hair dryer. Damage to the Wi-Fi Remote caused by excessive water pressure is not covered under warranty.

USING CONNECTORS AND PORTS
Never force a connector into a port. Check for obstructions on the port. If the connector and port don't join with reasonable ease, they probably don't match. Make sure that the connector matches the port and that you have positioned the connector correctly in relation to the port.

KEEPING THE WI-FI REMOTE WITHIN ACCEPTABLE TEMPERATURES
The Wi-Fi Remote is designed to be operated in temperatures between 0° C and 40° C and stored in temperatures between 0° C and 70° C. Extreme temperatures may temporarily affect battery life, or affect the functionality of the Wi-Fi Remote. Avoid dramatic changes in temperature or humidity when using the Wi-Fi Remote as condensation may form on or within the product. When you're using the Wi-Fi Remote or charging the battery, it is normal for the product to get warm. The exterior of the product functions as a cooling surface that transfers heat from inside the unit to the cooler air outside.

USE WITH OTHER ELECTRONIC DEVICES
Users of digital transceivers (avalanche beacons) should consult with their user manuals regarding use of GoPro cameras and other GPS or electronic devices when engaged in the avalanche beacon search mode in order to limit potential interference.

CUSTOMER SUPPORT

GoPro is dedicated to providing the best possible service.

To reach GoPro Customer Support, visit **gopro.com/support.**

REGULATORY INFORMATION

To see the complete list of country certifications, refer to the WARRANTY + DISCLAIMERS document included with this product.

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